

PCT REQUEST

6120653

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0	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT International Application"	
0-4	Form - PCT/RO/101 PCT Request	
0-4-1	Prepared using	PCT-EASY Version 2.92 (updated 01.01.2003)
0-5	Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	
0-6	Receiving Office (specified by the applicant)	United Kingdom Patent Office (RO/GB)
0-7	Applicant's or agent's file reference	6120653
I	Title of invention	TRANSMITTER AND WIRELESS COMMUNICATION APPARATUS USING THE TRANSMITTER
II	Applicant	
II-1	This person is:	applicant only
II-2	Applicant for	all designated States except US
II-4	Name	HITACHI, LTD.
II-5	Address:	6, Kanda Surugadai 4-chome Chiyoda-ku, Tokyo 101-8010 Japan
II-6	State of nationality	JP
II-7	State of residence	JP
III-1	Applicant and/or inventor	
III-1-1	This person is:	applicant only
III-1-2	Applicant for	all designated States except US
III-1-4	Name	TTPCOM LIMITED
III-1-5	Address:	Melbourn Science Park Cambridge Road Melbourn Royston, Hertfordshire SG8 6EE United Kingdom
III-1-6	State of nationality	GB
III-1-7	State of residence	GB

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III-2	Applicant and/or inventor	
III-2-1	This person is:	applicant and inventor
III-2-2	Applicant for	US only
III-2-4	Name (LAST, First)	YAMAWAKI, Taizo
III-2-5	Address:	c/o Hitachi, Ltd Central Research Laboratory 280, Higashikoigakubo 1-chome Kokubunji-shi, Tokyo 185-8601 Japan
III-2-6	State of nationality	JP
III-2-7	State of residence	JP
III-3	Applicant and/or inventor	
III-3-1	This person is:	applicant and inventor
III-3-2	Applicant for	US only
III-3-4	Name (LAST, First)	KAJIWARA, Hisayoshi
III-3-5	Address:	c/o Hitachi, Ltd Central Research Laboratory 280, Higashikoigakubo 1-chome Kokubunji-shi, Tokyo 185-8601 Japan
III-3-6	State of nationality	JP
III-3-7	State of residence	JP
III-4	Applicant and/or inventor	
III-4-1	This person is:	applicant and inventor
III-4-2	Applicant for	US only
III-4-4	Name (LAST, First)	TAKANO, Ryoichi
III-4-5	Address:	c/o Hitachi ULSI Systems Co., Ltd. 22-1, Josuihoncho 5-chome Kodaira-shi, Tokyo 187-8522 Japan
III-4-6	State of nationality	JP
III-4-7	State of residence	JP
III-5	Applicant and/or inventor	
III-5-1	This person is:	applicant and inventor
III-5-2	Applicant for	US only
III-5-4	Name (LAST, First)	WURM, Patrick
III-5-5	Address:	c/o TTPCom Limited Melbourn Science Park Cambridge Road Melbourn Royston, Hertfordshire SG8 6EE United Kingdom
III-5-6	State of nationality	GB
III-5-7	State of residence	GB

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IV-1	Agent or common representative; or address for correspondence The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:	agent
IV-1-1	Name (LAST, First)	HACKNEY, Nigel, J.
IV-1-2	Address:	Mewburn Ellis York House 23 Kingsway London, Greater London WC2B 6HP United Kingdom
IV-1-3	Telephone No.	0161 247 7722
IV-1-4	Facsimile No.	020 7240 9339
IV-1-5	e-mail	nigel.hackney@mewburn.com
IV-2	Additional agent(s)	additional agent(s) with same address as first named agent
IV-2-1	Name(s)	ARMITAGE, Ian, A.; BRASNETT, Adrian, H.; CALDERBANK, T., Roger; COCHLIN, Rachel, L.; COLEIRO, Raymond; CRIPPS, Joanna, E.; DENISON, Christopher, M.; FORD, Michael, F.; HARRISON, Susan, J.; KIDDLE, Simon, J.; KREMER, Simon, M.; LYONS, June, M.; NAYLOR, Matthew, J.; NICHOLLS, Kathryn, M.; PAGET, Hugh, C.E.; SANDERSON, Michael, J.; STONER, G., Patrick; STUART, Ian; SUTCLIFFE, Nicholas, R.; WALTON, Sean, M.; WATSON, Robert, J.
V	Designation of States	
V-1	Regional Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT EP: AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT SE SI SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT OA: BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG and any other State which is a member State of OAPI and a Contracting State of the PCT

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V-2	National Patent (other kinds of protection or treatment, if any, are specified between parentheses after the designation(s) concerned)	AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH&LI CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SC SD SE SG SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW and any other State which is a contracting State	
V-5	Precautionary Designation Statement In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit.	of the PCT.	
V-6	Exclusion(s) from precautionary designations	NONE	
VI-1	Priority claim of earlier national application		
VI-1-1	Filing date	31 May 2002 (31.05.2002)	
VI-1-2	Number	0212740.5	
VI-1-3	Country	GB	
VI-2	Priority document request The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):	VI-1	
VII-1	International Searching Authority Chosen	European Patent Office (EPO) (ISA/EP)	
VIII	Declarations	Number of declarations	
VIII-1	Declaration as to the identity of the inventor	—	
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	—	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	—	
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	—	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	—	

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IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (including declaration sheets)	5	-
IX-2	Description	39	-
IX-3	Claims	4	-
IX-4	Abstract	1	EZABST00 . TXT
IX-5	Drawings	10	-
IX-7	TOTAL	59	
	Accompanying items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet	✓	-
IX-9	Original separate power of attorney	✓	-
IX-17	PCT-EASY diskette	-	Diskette
IX-19	Figure of the drawings which should accompany the abstract	1	
IX-20	Language of filing of the international application	English	
X-1	Signature of applicant, agent or common representative		
X-1-1	Name (LAST, First)	HACKNEY, Nigel, J.	

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10-1	Date of actual receipt of the purported international application	
10-2	Drawings:	
10-2-1	Received	
10-2-2	Not received	
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/EP
10-6	Transmittal of search copy delayed until search fee is paid	

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11-1	Date of receipt of the record copy by the International Bureau	
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